

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/002654

## A. CLASSIFICATION OF SUBJECT MATTER

### **IPC7 H01Q 13/08**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR, JP, US : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
KIPONET, PAJ, USPAT, FPD

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0038750 (GemTek Technology Co., Ltd.) 27 Feb 2003	1
A	See the whole document and figure 2	2-5
P,Y	US 6717548 (Auden Techno Corp.) 6 Apr 2004	1
A	See the whole document and figure 3	2-5
A	US 2003/0038749 A1 (GemTek Technology Co., LTD.) 27 Feb 2003	1
	See the abstract and figure 5	1
A	US 5883603A (Nippon Antenna Co. LTD.) 17 MAR 1995	1
	See the abstract and figure 1-5	

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
**20 JANUARY 2005 (20.01.2005)**

Date of mailing of the international search report

**26 JANUARY 2005 (26.01.2005)**

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